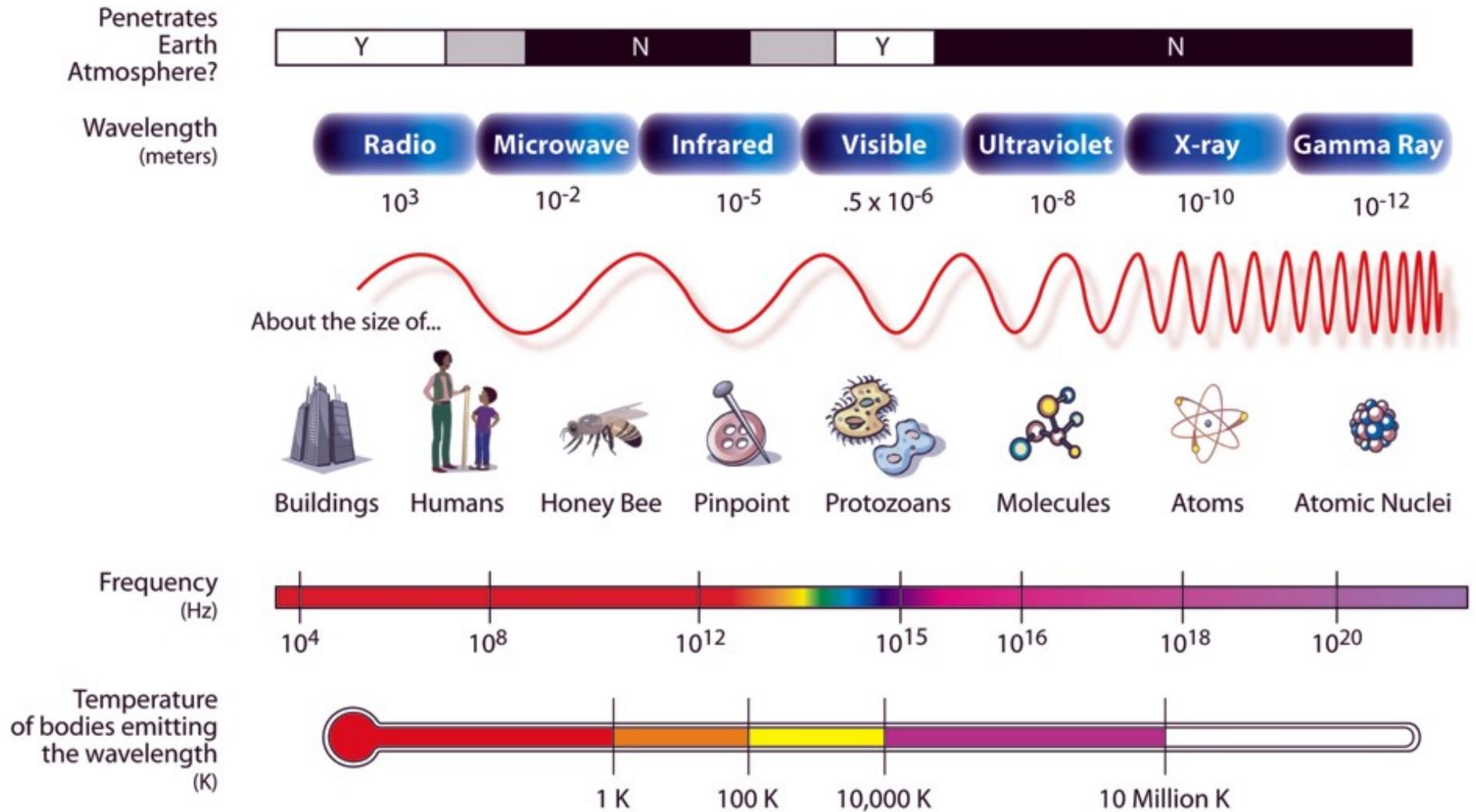


PhysPAG: Gamma-rays in the coming decade

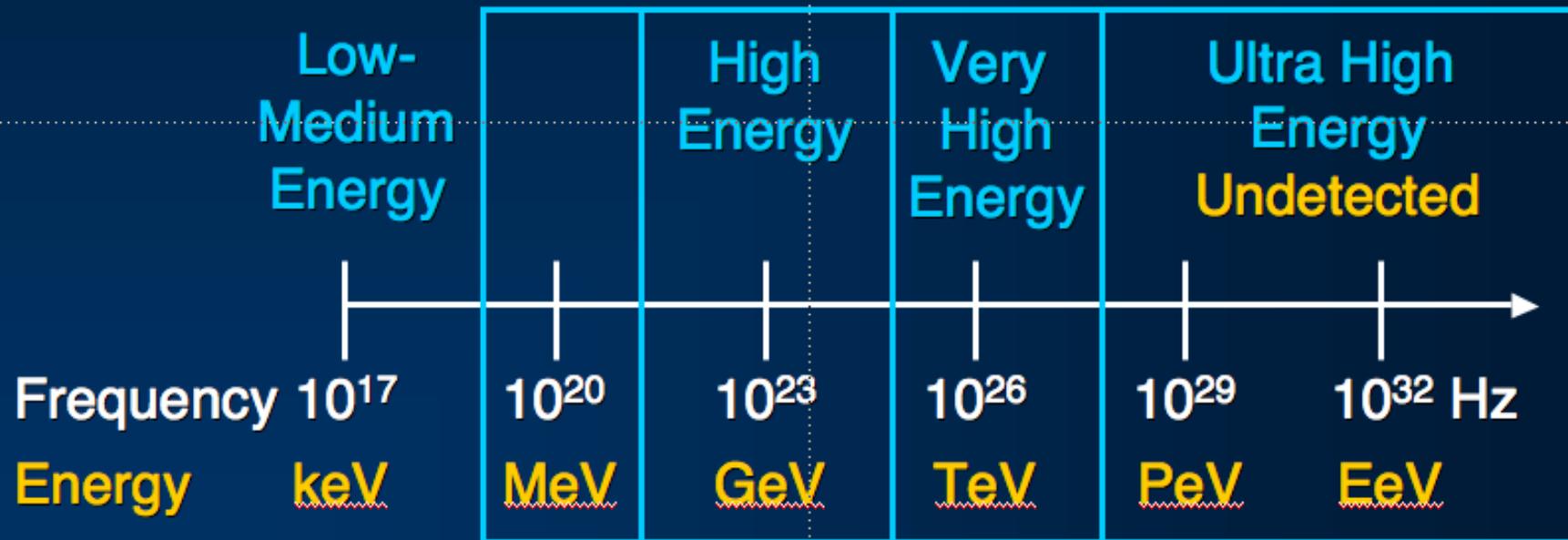
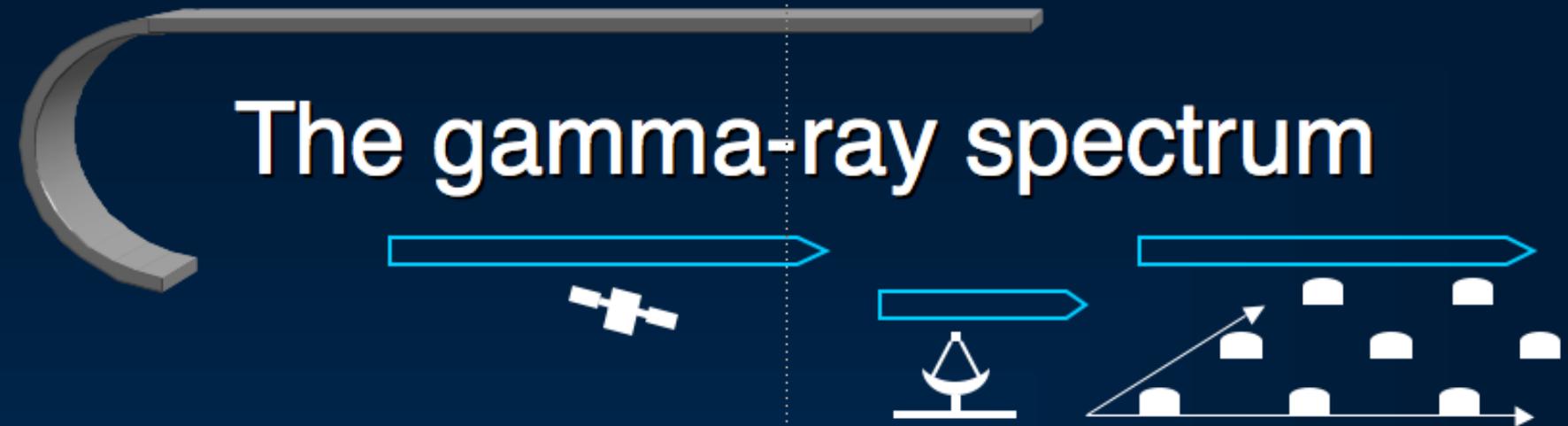
Liz Hays

May 1, 2011

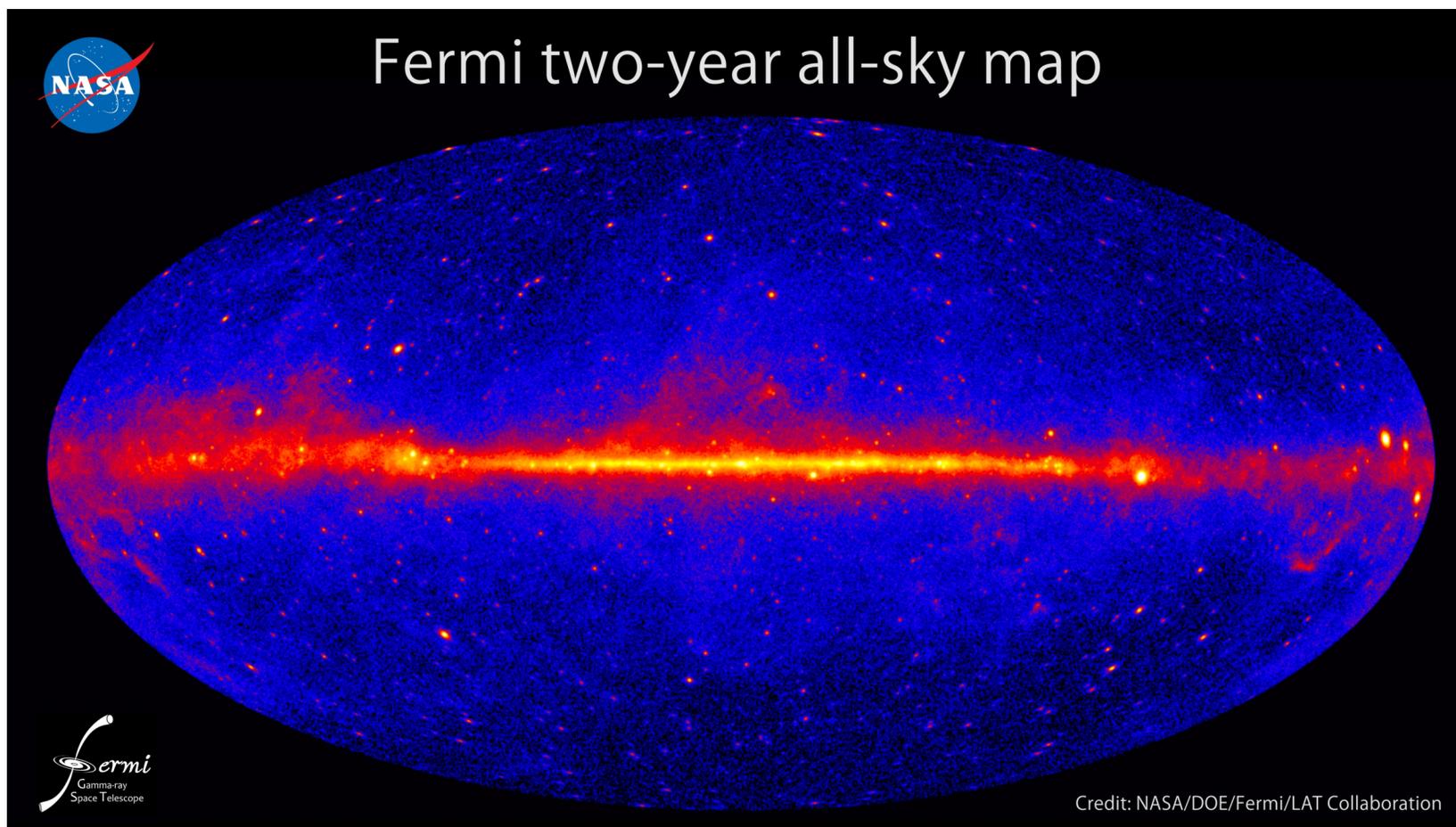
THE ELECTROMAGNETIC SPECTRUM



The gamma-ray spectrum



Beyond Fermi



Ground-based Observatories

- MAGIC/HESS/VERITAS
 - Current observatories
 - Continuing studies in the 100 GeV- >10 TeV regime
 - Exploring enhanced sensitivity <100 GeV
- HAWC
 - Under construction
 - Next generation wide-field
- CTA
 - Next generation IACT in development

MeV concepts

- Advanced Compton telescopes
- Enhanced imaging and spectroscopy capabilities

Future Directions

- Community input here!

PAG Potential

- What are technology needs?
- Strategic readiness for gamma support of PCOS science
 - Complementarity within the planned mission ‘menu’ (particularly for multiwavelength spectral and time domain studies)
 - Taking advantage of ready/near-ready technology
 - Eye on the future
- Communicating future directions and needs